



BULK BITUMEN | EMULSIONS | STORAGE | REALITY | ROADS

BUILDING THE NATION
ROAD BY ROAD..



VISION

An indispensable player in the Infrastructure Sector for the nation. We aspire to instill highest standards of Business Values & Ethics through our commitment to quality & safety.

MISSION

Having consolidated our position in the Bitumen Sector, to avoid the repetitive repairs & maintenance costs.

ROADS INFRASTRUCTURE

KEY TO SUCCESS..

HARVIS INFRA, is a truly bulk bitumen supplier with operational capability to serve dynamic market. We go further to connect supply and demand, ensuring our customers' individual needs are always met. Partnering with us means getting reliable access to bitumen sourcing and distribution system. We go a step forward to keep up to our commitments and ensure any project of any scale will be completed on time.. always.

STRONG NETWORK

Partnering with us gives you access to reputable supplier, one of the most modern fleet of bulk bitumen vessels / tankers, a large network of state-of-the-art services and expertise.

SUPERIOR LOGISTICS

Through our fleet of container solutions and professional management, we ensure that our bitumen is sourced, transported and delivered to customers on grade, on time and on temperature. For any scale and scope of our operations we can source, blend and supply product effectively anywhere in country.

HIGH QUALITY PRODCUTS

We source and supply high-quality bitumen that meets your specifications, viscosity grade or performance grade requirements. We also procure and supply a full range of bituminous products to match our customers demand, ranging from standard and hard paving grades to polymer modified and crumb rubber modified binders, bitumen emulsions and cutback bitumen.

TECHNICAL EXPERTISE

Our team of dedicated technical experts ensures that we always add the maximum value to our customers' projects. We work collaboratively with suppliers, producers, industry associations, road agencies and construction companies to ensure the delivery of appropriate technical solutions and the highest quality outcomes.



PRODUCTS

AT A GLANCE..



VG 30 Bitumen

VG 30 bitumen is a popular grade of bitumen in India. Indian importers prefer this type of bitumen because its performance in Indian road construction is proved. VG 30 grade bitumen is also used for plastic roads in India.

Because of having good thermal susceptibility, we use VG30 in areas that have a higher temperature. VG-30 bitumen is also suitable for use in hot and rainy weather conditions instead of bitumen penetration grades. The more viscose the bitumen, the fewer the chance of being affected by water.

What is the minimum and maximum viscosity of VG-30?

According to the viscosity bitumen classification, 30 in VG 30 bitumen means the range of viscosity $[(100 \pm 20) * 30]$ in terms of Poise. It is possible to calculate the minimum and maximum of the VG30. The minimum viscosity at 60°C can be calculated like this: $80 * 30 = 2400$ Poise while the maximum viscosity is also calculated by this formula $120 * 30 = 3600$ poise.



VG 30 Bitumen

What are the Advantages in the Application of Viscosity Grade 30 Bitumen?

- It is suitable for temperature above 30 C
- For a clayed soil, bitumen with higher viscosity is more suitable
- VG30 is more suitable for road construction in a rainy weather

| CHARACTERISTICS | Viscosity Grade 30 (VG30) |
|---|---------------------------|
| Absolute Viscosity 60 C, Poises, min | 2400-3600 |
| Kinematic Viscosity, 135 C, CST, min | 350 |
| Flash point, C, min | 220 |
| Solubility in trichloroethylene, %, min | 99.0 |
| Penetration Value of Vg30, at 25 C | 45 |
| Softening point, C, min | 47 |



PRODUCTS

AT A GLANCE..



VG 40 Bitumen

VG-40 bitumen is used in areas in which high pressure comes from heavy traffic loads, such as intersections, near tolls booths, and truck parking lots. Due to the high viscosity of this bitumen, it is more appropriate for improving resistance to shoving and other problems associated with higher temperatures and heavy traffic loads. It's long time that industries use vg-40 instead of the penetration grade bitumen 40/50.

The difference between VG30 and Vg40

The difference between VG-30 and VG-40 is that the VG 30 bitumen is suitable for mild weather and VG 40 bitumen is better to use in hot climate. If you need to consult before buying vg40 contact us.



VG 40 Bitumen

What are the Advantages in the Application of Viscosity Grade 40 Bitumen?

- It is suitable for a temperature above 40 °C
- Its absolute viscosity is 3200
- It is a preferred type of bitumen when heavy traffic load is expected

| CHARACTERISTICS | Viscosity Grade 40 (VG40) |
|---|---------------------------|
| Absolute Viscosity 60 °C, Poises, min | 3200-4800 |
| Kinematic Viscosity, 135 °C, CST, min | 400 |
| Flash point, °C, min | 220 |
| Solubility in trichloroethylene, %, min | 99.0 |
| Penetration Value of Vg30, at 25 °C | 36 |
| Softening point, °C, min | 50 |



PRODUCTS

AT A GLANCE..



RS-1

HARVIS INFRA Emulsion RS-1 is specially designed water based bitumen emulsion with low viscosity and fast setting makes it ideal product for spray application. It is chocolate brown in colour and is a free flowing liquid at ambient temperature. HARVIS Emulsion RS-1 is manufactured strictly as per IS 8887:2004 standards.

| Properties | |
|--|------------------|
| Residue on 600 Micron | 0.05 % |
| Viscosity @ 50 C SayboltFurol Viscometer | 20 - 100 Seconds |
| Storage Stability | Less than 2 % |
| Binder Residue bu Evaporation | min. 60 % |
| Average Setting time | 5 Minutes |

Advantages :

- * Easy & Uniform Spray
- * Low temperature curing
- * Highly adhesive proper
- * Water resistant and enhances easy drainage of water
- * Enhances structural strength of layers
- * Prevents lateral movements of structural layers
- * Provides an impervious layer to prevent water ingress

SOME OF OUR ESTEEMED CLIENTS



And many more..



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